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EXAMINER
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ART UNIT	PAPER NUMBER
2155	13

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Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/651,583	TERADA ET AL.
	Examiner	**Art Unit**	
	David Lazaro	2155	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>28 January 2004</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1,3-9 and 15-25</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1,3-9 and 15-25</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>29 August 2000</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All   b)☐ Some * c)☐ None of:

       1.☒ Certified copies of the priority documents have been received.

       2.☐ Certified copies of the priority documents have been received in Application No. _____.

       3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1.   This Office Action is response to the amendment filed 1/28/04 which is
supplemental to the amendment filed 12/18/03.

2.   Claims 1-9 and 15-25 are pending in this Office Action.

3.   Claims 1 and 6-8 were amended.

4.   Claims 10-14 were cancelled.

5.   Claims 15-25 were added.

6.   The Claim Objections of Claims 1-9 are withdrawn.

7.   The 112 Claim rejections of Claims 7 and 8 are withdrawn.

Claim Objections

8.   Claim 8 objected to because of the following informalities: "said means for
executing" should read "said means for executing information processing" for clarity and
consistency. Appropriate correction is required.

Claim Rejections - 35 USC § 112

9.   The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly
> claiming the subject matter which the applicant regards as his invention.

10.   Claims 6, 15, 17 and 24 rejected under 35 U.S.C. 112, second paragraph, as
being indefinite for failing to particularly point out and distinctly claim the subject matter
which applicant regards as the invention.

11.   Claims 6 and 24 each recite the limitation "said service requiring apparatus".

There is insufficient antecedent basis for this limitation in the claim.

12.   Claims 15 and 17 each recite the limitation "the service requiring apparatus".

There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

13.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

14.   Claims 1, 2-9 and 15-25 are rejected under 35 U.S.C. 103(a) as being

unpatentable over U.S. Patent 5,948,040 by David DeLorme et al. (DeLorme) in view of

U.S. Patent 6,654,814 by Britton et al. (Britton).

15.   With respect to Claim 1, DeLorme teaches a service processing apparatus (Fig.

2 – 203) connected to a service requesting apparatus (Fig. 2 – 205, 227, Col 14 lines

53-55) for requesting a service through a network for executing information processing

(Col. 13 lines 48-52) for supplying a service to a user who uses said service requesting

apparatus (Col. 13 lines 34-38), said service processing apparatus comprising: means

for receiving situation information (Fig. 2 – 205,227 and Col. 72 lines 15-19), transmitted

from said service requesting apparatus, including identification information for

identifying said service requesting apparatus (Col. 74 lines 30-35); means for receiving

information related to said service, said information being transmitted from said service

requesting apparatus (Fig. 2 –205, 227), means for executing information processing for

supplying said service based on said received information relating to the service (Col.

14 lines 1-52); means for identifying a type of terminal of said service requesting

apparatus based on said identification information (Col. 74 lines 30-35); and means for

transmitting information on said information processing through said network (Col 15

lines 33-53). While DeLorme does suggest conversion of information to be

appropriately displayed at a user terminal (Col. 73 lines 50-63), DeLorme does not

explicitly disclose converting information at the service processing apparatus after

identifying the type of terminal from the identification information. Britton teaches

converting information at the service processing apparatus after identifying the type of

terminal from the identification information (Col. 7 line 51 – Col. 8 line 4, and Col. 10

lines 4-23). It would have been obvious to one of ordinary skill in the art at the time the

invention was made to take the apparatus disclosed by DeLorme and modify it as

indicated by Britton such that the apparatus further comprises means for converting

information obtained by executing said information processing into information capable

of being displayed in the identified type of the terminal; and means for transmitting the

converted information on said information processing through said network. One would

be motivated to have this as it allows users continued access to information and

services even when using devices of limited capabilities (Col. 2 lines 15-46).

16.   With respect to Claim 3, DeLorme in view of Britton teaches all the limitations as

applied in Claim 1 and further teaches the said situation information includes moving

situation information indicative of a moving situation of said user (Col. 72, lines 2-7 of

DeLorme), and said means for transmitting transmits the information related to said

information processing in a form in accordance with said moving situation (Col. 72 lines

7-15 of DeLorme).

17.   With respect to Claim 4, DeLorme in view of Britton teaches all the limitations as

applied in Claim 3. It is inherent that Delorme in view of Britton teaches the moving

situation information includes information for identifying transport means used by said

user (Col. 75 lines 35-37, Col. 76 lines 46-53 of DeLorme). Delorme in view of Britton

also teaches the information related to said information processing to an information

processing unit possessed by said transport means (Col. 75 lines 33-37 of DeLorme) is

transmitted in a form corresponding to the said information processing unit (Col. 72 lines

7-15 of DeLorme).

18.   With respect to Claim 5, DeLorme in view of Britton teaches all the limitations as

applied in Claim 1 and further teaches the means for transmitting transmits the

information related to said information processing to said service requesting apparatus

through said network (Col. 13 lines 48-52 of DeLorme).

19.   With respect to Claim 6, DeLorme teaches a service processing apparatus (Fig.

2 – 209) connected through a network (Col. 13 lines 48-52) to a service requesting

apparatus (Fig. 2 – 205, 227, Col 14 lines 53-55) for requesting a service, and to a

plurality of service element processing apparatus (Fig. 2 - 221, 223, 213, 217, 231) for

executing information processing for each of the elements constituting a service (See

Col. 32 and 33 for detailed data descriptions of the Fig. 2-221,223,213, and 217 blocks),

said service processing apparatus executing information processing for supplying a

service to a user utilizing said service requesting apparatus during movement (Col. 71

lines 61-67), comprising means for receiving situation information transmitted from said

service requesting apparatus (Col. 72 lines 15-19), including identification information

for identifying said service requiring apparatus (Col. 74 lines 30-35); means for receiving

service requesting information for requesting supply of said service, said service

requesting information being transmitted from said service requesting apparatus (Col.

72, lines 7-15); means for retrieving individual element constituting a service

corresponding to said service request information to retrieve an access place of a

service element processing apparatus corresponding to said retrieved element (Fig. 2 -

221, 223, 213, 217, 231); means for executing information processing for causing said

retrieved access place of said service element processing apparatus to execute

information processing related to said individual element to supply a service

corresponding to characteristics of said user based on said executed information

processing related to said element (Col. 31 lines 15-19); means for identifying a type of

terminal of said service requesting apparatus based on said identification information

(Col. 74 lines 30-35); and transmitting the result of said executed information processing

through said network (Col. 13 lines 48-52). While DeLorme does suggest conversion of

information to be appropriately displayed at a user terminal (Col. 73 lines 50-63),

DeLorme does not explicitly disclose converting a result of information processing at the

service processing apparatus after identifying the type of terminal from the identification

information. Britton teaches converting the result of information processing at the

service processing apparatus after identifying the type of terminal from the identification

information (Col. 7 line 51 – Col. 8 line 4, and Col. 10 lines 4-23). It would have been obvious to one of ordinary skill in the art at the time the invention was made to take the apparatus disclosed by DeLorme and modify it as indicated by Britton such that the apparatus further comprises means for converting a result of said executed information processing into information capable of being displayed in the identified type of the terminal; and means for transmitting the converted result of said information processing through said network. One would be motivated to have this as it allows users continued access to information and services even when using devices of limited capabilities (Col. 2 lines 15-46).

20.   With respect to Claim 7, DeLorme in view of Britton teaches all the limitations as applied to Claim 6 and further teaches said means for executing information processing causes a service element processing apparatus, having element information whose characteristics match characteristics included in personal information of said user (Col. 34 lines 26-31 of DeLorme), to execute information processing related to said matched element information (Col. 31 lines 19-25 of DeLorme),

21.   With respect to Claim 8, DeLorme in view of Britton teaches all the limitations as applied to Claim 6 and further teaches said service comprises a service related to a travel (Col. 6 lines 56-60 of DeLorme), said element information including information related to accommodations during a travel (Col. 58 line 54 of DeLorme) and information related to transport means (Col. 61 line 24 of DeLorme); and wherein said means for executing executes reservation processing for at least one of said accommodation and

said transport means for said service element process apparatus (Col. 8 lines 33-48 of

DeLorme).

22.   With respect to Claim 9, DeLorme in view of Britton teaches all the limitations as

applied to claim 8 and further teaches said means for transmitting transmits the result of

said executed information processing to said service requesting apparatus (Col 15 lines

33-53 of DeLorme).

23.   With respect to Claim 15, DeLorme in view of Britton teaches all the limitations of

Claim 1 and further teaches the service requesting apparatus from which the situation

information including the identification information for identifying the service requiring

apparatus is transmitted is different from the service requiring apparatus from which the

information relating to the service is transmitted (Col. 75 lines 33-45 of DeLorme).

24.   With respect to Claim 16, DeLorme in view of Britton teaches all the limitations of

Claim 1 and further teaches a database storing ID of each user and preference of each

user (Col. 61 lines 5-15 of DeLorme); wherein the information relating to the service

includes the ID of the user (Col. 74 lines 33-40 of DeLorme); and wherein the means for

executing the information processing retrieves a preference of the user from said

database based on the ID of the user (Col. 75 lines 50-62 of DeLorme) included in the

information relating to the service to execute the information processing matching the

retrieved preference of the user (Col. 61 lines 5-15 of DeLorme).

25.   With respect to Claim 17, DeLorme in view of Britton teaches all the limitations of

Claim 6 and further teaches the service requesting apparatus from which the situation

information including the identification information for identifying the service requiring

apparatus is transmitted is different from the service requiring apparatus from which the information relating to the service is transmitted (Col. 75 lines 33-45 of DeLorme).

26.   With respect to Claim 18, DeLorme in view of Britton teaches all the limitations of Claim 6 and further teaches a database storing ID of each user and preference of each user (Col. 61 lines 5-15 of DeLorme); wherein the information relating to the service includes the ID of the user (Col. 74 lines 33-40 of DeLorme); and wherein the means for executing the information processing retrieves a preference of the user from said database based on the ID of the user (Col. 75 lines 50-62 of DeLorme) included in the information relating to the service to execute the information processing matching the retrieved preference of the user (Col. 61 lines 5-15 of DeLorme).

27.   With respect to Claim 19, DeLorme teaches a service processing apparatus for supplying a service to a user comprising (Col. 6 lines 56-66): means for receiving an application request of a service from a terminal of the user (Fig 2 – 205, Col. 7 lines 22-34); means for storing service contents and ID corresponding to the application request of the service in a database (Col. 72 lines 20-36 and lines 44-61); means for receiving a reference request of the service contents including identification information of the terminal of the user and the ID from the terminal of the user (Col. 74 lines 30-56); means for identifying a type of the terminal of the user based on the identification information included in the reference request of the service contents (Col. 74 lines 30-35); means for retrieving the service contents from the database based on the ID included in the reference request of the service contents (Col. 74 lines 35-56); and means for transmitting the service contents to the terminal of the user by which the

application request of the service has been transmitted (Col. 74 lines 30-44). While

DeLorme does suggest conversion of information to be appropriately displayed at a

user terminal (Col. 73 lines 50-63), DeLorme does not explicitly disclose means for

converting information at the service processing apparatus into a format capable of

being displayed in the identified type of terminal. Britton teaches means for converting

information at the service processing apparatus into a format capable of being displayed

in the identified type of terminal from the identification information (Col. 7 line 51 – Col.

8 line 4, and Col. 10 lines 4-23). It would have been obvious to one of ordinary skill in

the art at the time the invention was made to take the apparatus disclosed by DeLorme

and modify it as indicated by Britton such that the apparatus further comprises means

for converting the retrieved service contents into a format capable of being displayed in

the identified type of the terminal; and means for transmitting the converted service

contents to the terminal of the user by which the application request of the service has

been transmitted. One would be motivated to have this as it allows users continued

access to information and services even when using devices of limited capabilities (Col.

2 lines 15-46).

28.   With respect to Claim 20, DeLorme in view of Britton teaches all the limitations of

Claim 19 and further teaches means for receiving a request of making the service

contents from the terminal of the user (Col. 74 lines 62-66); means for making

candidates of the service contents in response to the request of making the service

contents (Col. 75 lines 3-32); and means for transmitting the made candidates of the

service contents to the terminal of the user (Col. 77 lines 24-44).

29.   With respect to Claim 21, DeLorme in view of Britton teaches all the limitations of

Claim 20 and further teaches wherein the database stores the ID and the preference of

the user (Col. 61 lines 5-15); wherein the request of making the service contents

includes the ID (Col. 74 lines 35-40); and wherein the means for making the candidates

of the service contents retrieves the preference of the user from the database based on

the ID included in the request of making the service contents to make the candidates of

the service contents matching to the retrieved preference of the user (Col. 61 lines 5-

15).

30.   With respect to Claim 22, DeLorme in view of Britton teaches all the limitations of

Claim 21 and further teaches the service contents are travel planning (Col. 75 lines 13-

33).

31.   With respect to Claim 23, DeLorme teaches a method for executing information

processing for supplying a service for a user using a service requesting apparatus for

requesting the service (Col. 73 lines 1-17), said method comprising the steps of:

receiving situation information indicative of a situation of the user (Col. 72 lines 15-19),

transmitted from said service requesting apparatus (Col. 75 lines 33-45), including

identification information for identifying said service requesting apparatus (Col. 74 lines

30-35); receiving information related to said service, said information being transmitted

from said service requesting apparatus (Col. 74 lines 62-66); executing information

processing for supplying said service based on said received information relating to the

service (Col. 75 lines 1-12); identifying a type of a terminal of said service requesting

apparatus based on said identification information (Col. 74 lines 30-35); and transmitting

the converted information on said information processing in a form corresponding to

said situation information through a network (Col 15 lines 33-53). While DeLorme does

suggest conversion of information to be appropriately displayed at a user terminal (Col.

73 lines 50-63), DeLorme does not explicitly disclose converting a result of information

processing at the service processing apparatus after identifying the type of terminal

from the identification information. Britton teaches converting the result of information

processing at the service processing apparatus after identifying the type of terminal

from the identification information (Col. 7 line 51 – Col. 8 line 4, and Col. 10 lines 4-23).

It would have been obvious to one of ordinary skill in the art at the time the invention

was made to take the method disclosed by DeLorme and modify it as indicated by

Britton such that the method further comprises converting a result of said executed

information processing into information capable of being displayed in the identified type

of the terminal; and transmitting the converted result of said information processing

through said network. One would be motivated to have this as it allows users continued

access to information and services even when using devices of limited capabilities (Col.

2 lines 15-46)

32.

33.   With respect to Claim 24, DeLorme teaches a method for executing information

processing for supplying a service for a mobile user using a service requesting

apparatus for requesting a service (Col. 73 lines 1-17), said method comprising the

steps of: receiving situation information (Col. 72 lines 15-19), transmitted from said

service requesting apparatus (Col. 75 lines 33-45), including identification information

for identifying said service requiring apparatus (Col. 74 lines 30-35); receiving service

requesting information for requesting supply of said service, said service requesting

information being transmitted from said service requesting apparatus (Col. 74 lines 62-

66); retrieving individual element constituting a service corresponding to said service

requesting information; retrieving an access place of a service element processing

apparatus corresponding to said retrieved individual element (Col. 75 lines 1-6);

executing information processing for causing said retrieved access place of said service

element processing apparatus to execute information processing related to said

individual element to supply a service corresponding to characteristics of said user

based on said executed information processing related to said element (Col. 75 lines 1-

32); identifying a type of a terminal of said service requesting apparatus based on said

identification information (Col. 74 lines 30-35); and transmitting the result of said

executed information processing through a network (Col 15 lines 33-53). While

DeLorme does suggest conversion of information to be appropriately displayed at a

user terminal (Col. 73 lines 50-63), DeLorme does not explicitly disclose means for

converting retrieved information at the service processing apparatus into a format

capable of being displayed in the identified type of terminal. Britton means for

converting retrieved information at the service processing apparatus into a format

capable of being displayed in the identified type of terminal from the identification

information (Col. 7 line 51 – Col. 8 line 4, and Col. 10 lines 4-23). It would have been

obvious to one of ordinary skill in the art at the time the invention was made to take the

method disclosed by DeLorme and modify it as indicated by Britton such that the

apparatus further comprises converting the retrieved service contents into a format

capable of being displayed in the identified type of the terminal; and transmitting the

converted service contents to the terminal of the user by which the application request

of the service has been transmitted. One would be motivated to have this as it allows

users continued access to information and services even when using devices of limited

capabilities (Col. 2 lines 15-46).

34.   With respect to Claim 25, DeLorme teaches a method for supplying a service to a

user (Col. 73 lines 1-17), said method comprising the steps of: receiving an application

request of a service from a terminal of the user (Fig 2 – 205, Col. 7 lines 22-34); storing

service contents and ID corresponding to the application request of the service in a

database Col. 72 lines 20-36 and lines 44-61); receiving a reference request of the

service contents including identification information of the terminal of the user and the

ID from the terminal of the user (Col. 74 lines 30-56); identifying a type of the terminal of

the user based on the identification information included in the reference request of the

service contents (Col. 74 lines 30-35); retrieving the service contents from the database

based on the ID included in the reference request of the service contents (Col. 74 lines

35-56); and transmitting the service contents to the terminal of the user by which the

application request of the service has been transmitted (Col. 74 lines 30-44). While

DeLorme does suggest conversion of information to be appropriately displayed at a

user terminal (Col. 73 lines 50-63), DeLorme does not explicitly disclose for converting

information at the service processing apparatus into a format capable of being displayed

in the identified type of terminal. Britton teaches converting information at the service

processing apparatus into a format capable of being displayed in the identified type of

terminal from the identification information (Col. 7 line 51 – Col. 8 line 4, and Col. 10

lines 4-23). It would have been obvious to one of ordinary skill in the art at the time the

invention was made to take the method disclosed by DeLorme and modify it as

indicated by Britton such that the method further comprises converting the retrieved

service contents into a format capable of being displayed in the identified type of the

terminal; and transmitting the converted service contents to the terminal of the user by

which the application request of the service has been transmitted. One would be

motivated to have this as it allows users continued access to information and services

even when using devices of limited capabilities (Col. 2 lines 15-46).

Response to Arguments

35.   Applicant's arguments with respect to claims 1, 2-9 and 15-25 have been

considered but are moot in view of the new ground(s) of rejection. Since DeLorme is

still being used, the relevant arguments are addressed.

36.   Applicant argues – *"DeLorme does not disclose or suggest anything related to*

identification information for identifying a service requesting apparatus or converting

information obtained by executing the information processing into information capable of

being displayed in the identified type of terminal"

a.   DeLorme does disclose identifying information for identifying the service
requesting apparatus. From Col. 74 lines 30-35, DeLorme teaches "a 'device I.D'
or a 'sender-type' identification code" is sent from the service requesting
apparatus. DeLorme acknowledges that certain service requesting apparatuses
have limited capabilities (Col. 72 lines 30-34) and that output may be changed
dependent on the situation (Col. 73 lines 46-63 and Col 76 lines 29-67).
DeLorme does not explicitly disclose the conversion being performed based on
the identified type of service requesting apparatus and converted information
being transmitted to the terminal. However, U.S. Patent 6,654,814 by Britton et
al. discloses this.

Conclusion

37.   Applicant's amendment necessitated the new ground(s) of rejection presented in
this Office action. Accordingly, **THIS ACTION IS MADE FINAL.** See MPEP
§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37
CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE
MONTHS from the mailing date of this action. In the event a first reply is filed within
TWO MONTHS of the mailing date of this final action and the advisory action is not
mailed until after the end of the THREE-MONTH shortened statutory period, then the
shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to David Lazaro whose telephone number is 703-305-

4868. The examiner can normally be reached on 8:30-5:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Hosain Alam can be reached on 703-308-6662. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

David Lazaro
March 11, 2004

HOSAIN ALAM
SUPERVISORY PATENT EXAMINER